

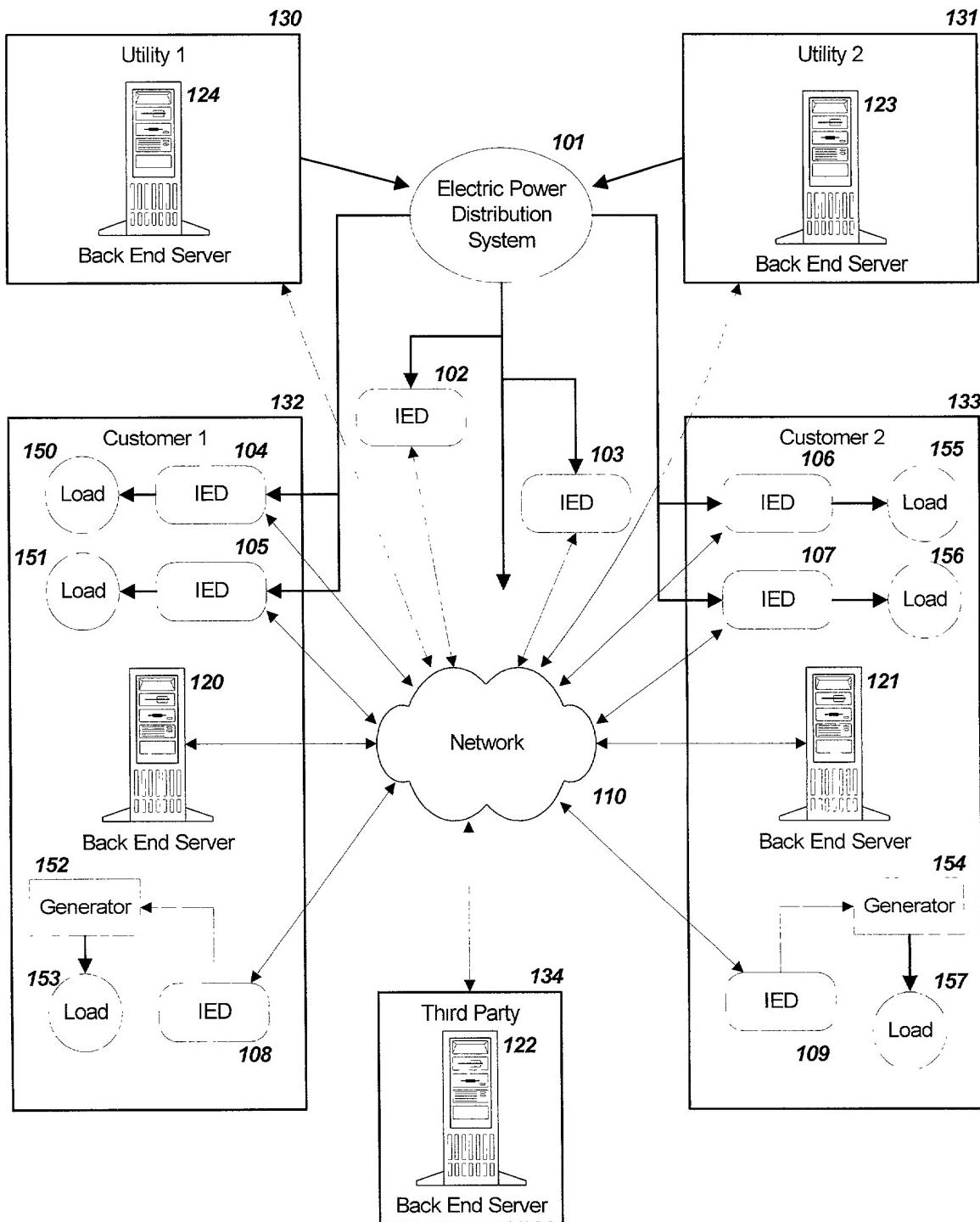
Patent Application For: COMMUNICATIONS ARCHITECTURE FOR INTELLIGENT ELECTRONIC DEVICES

Inventor(s): Andrew W. Blackett, Michael E. Teachman

Attorney Docket No.: 6270/64

100

Figure 1



218

Figure 2a

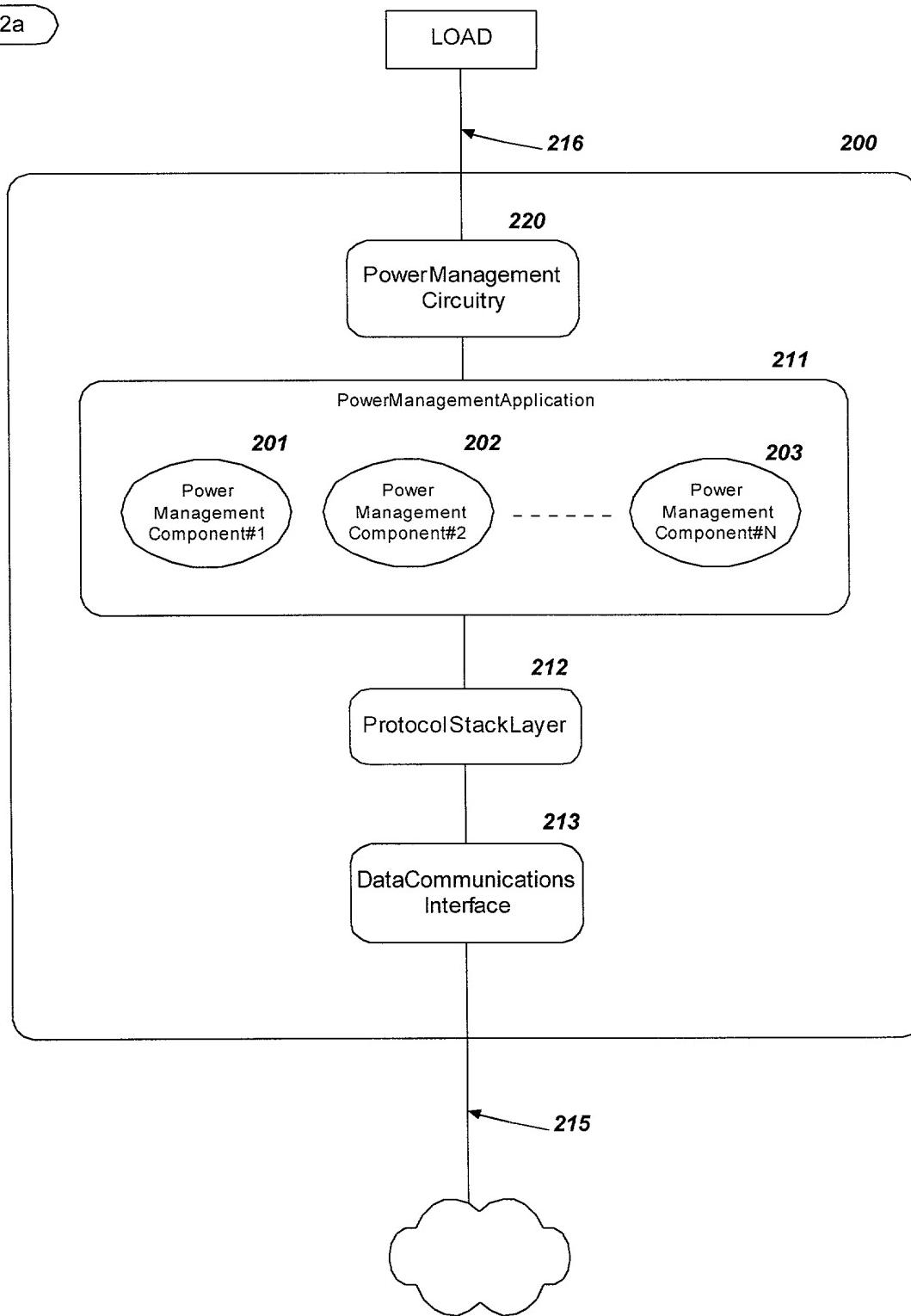
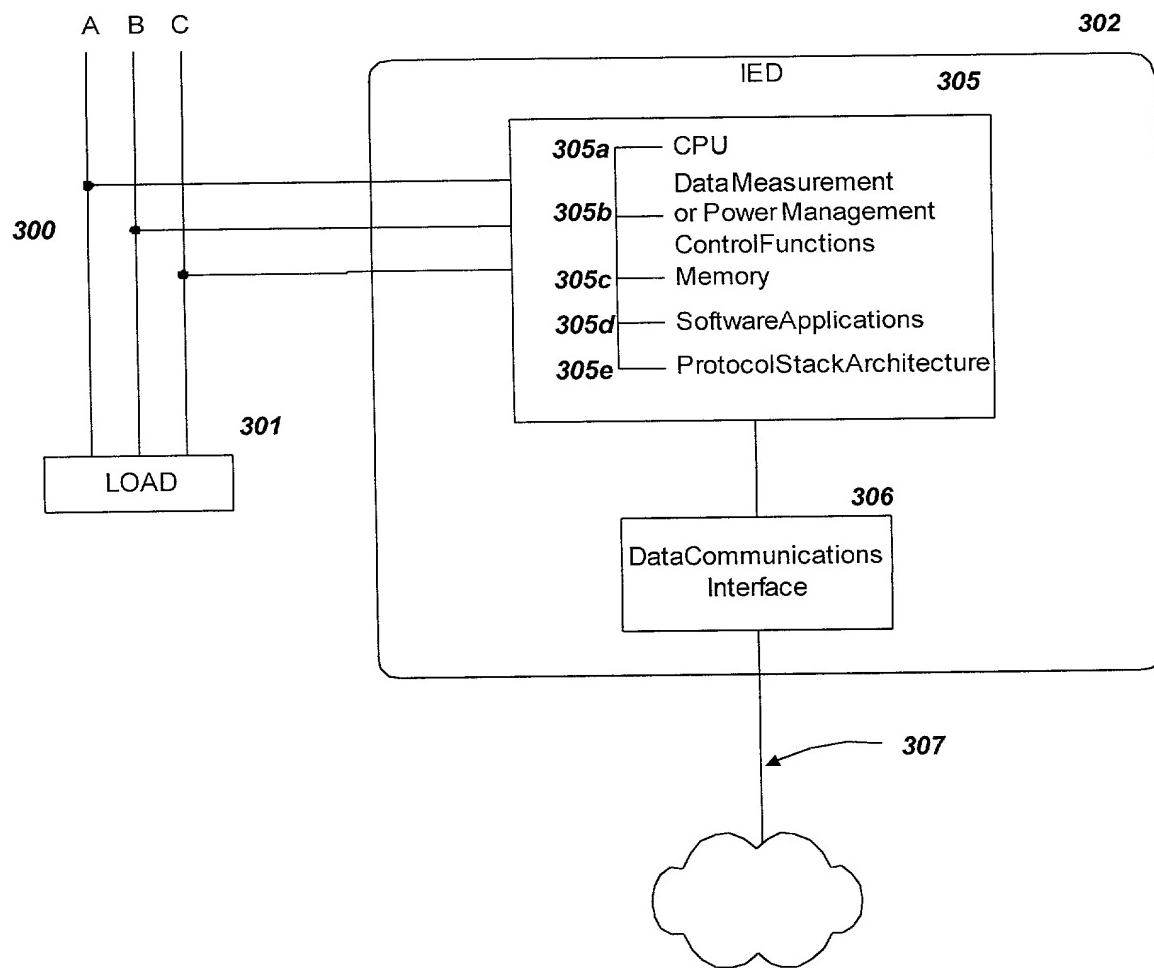


Figure 3a



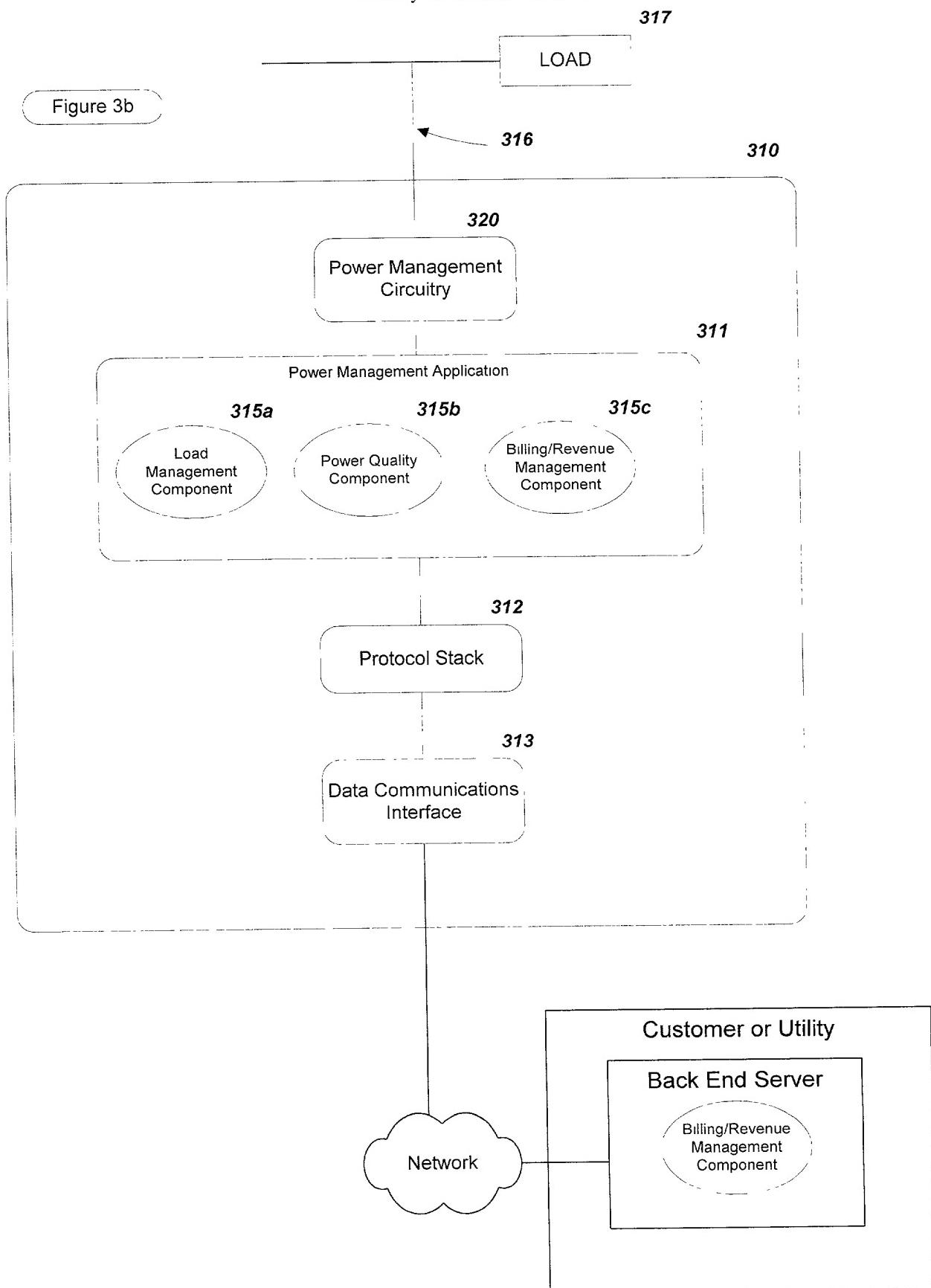


Figure 3c

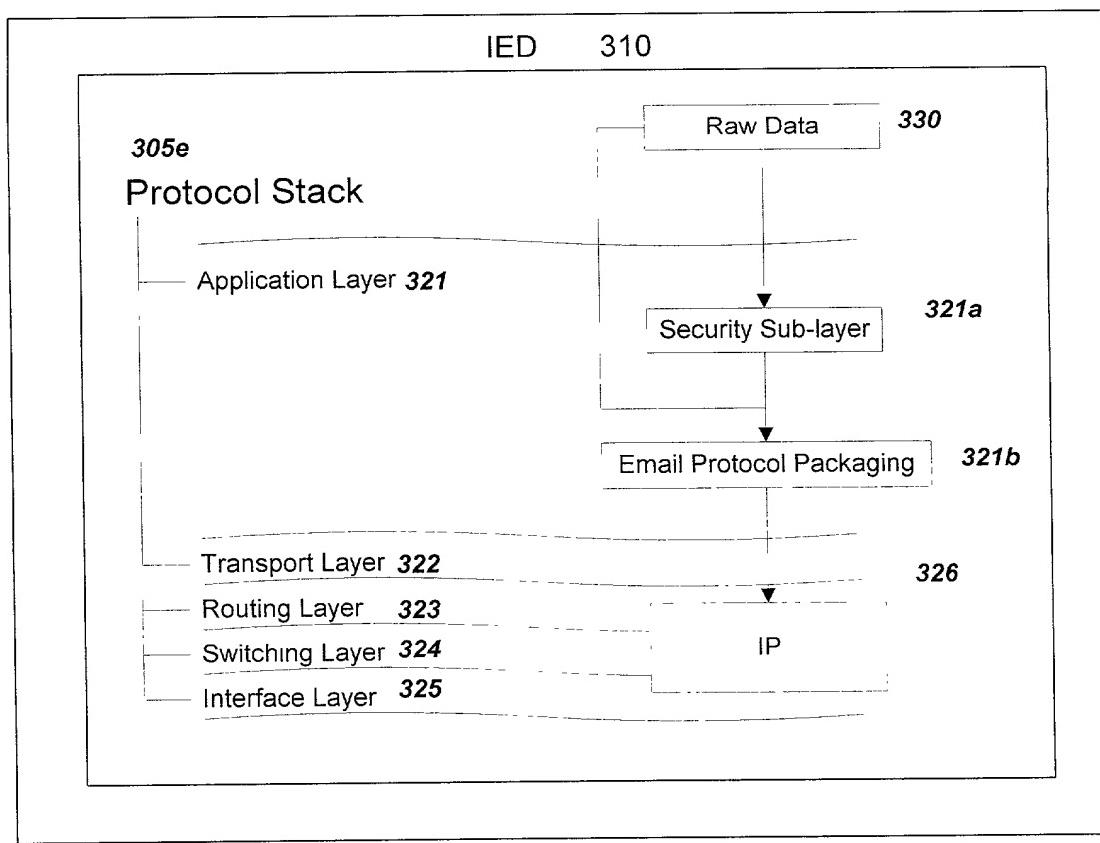
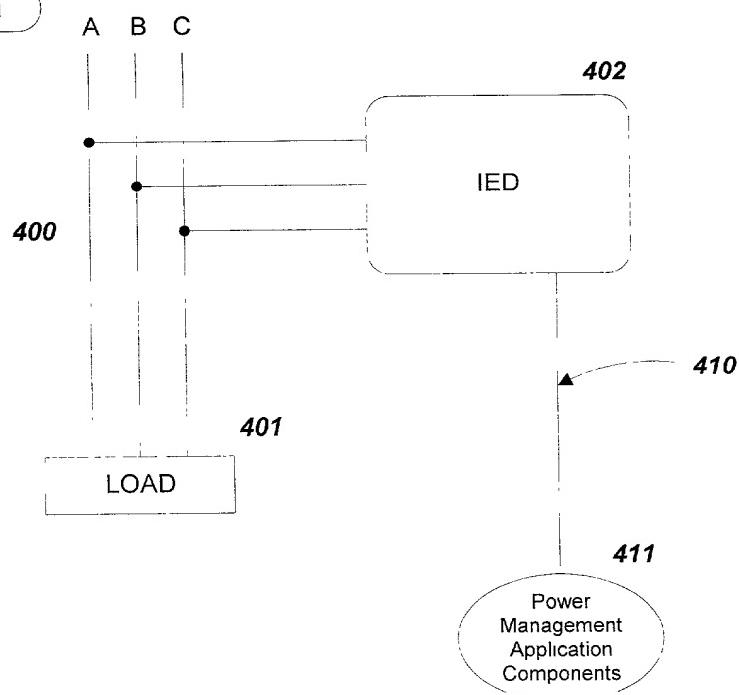
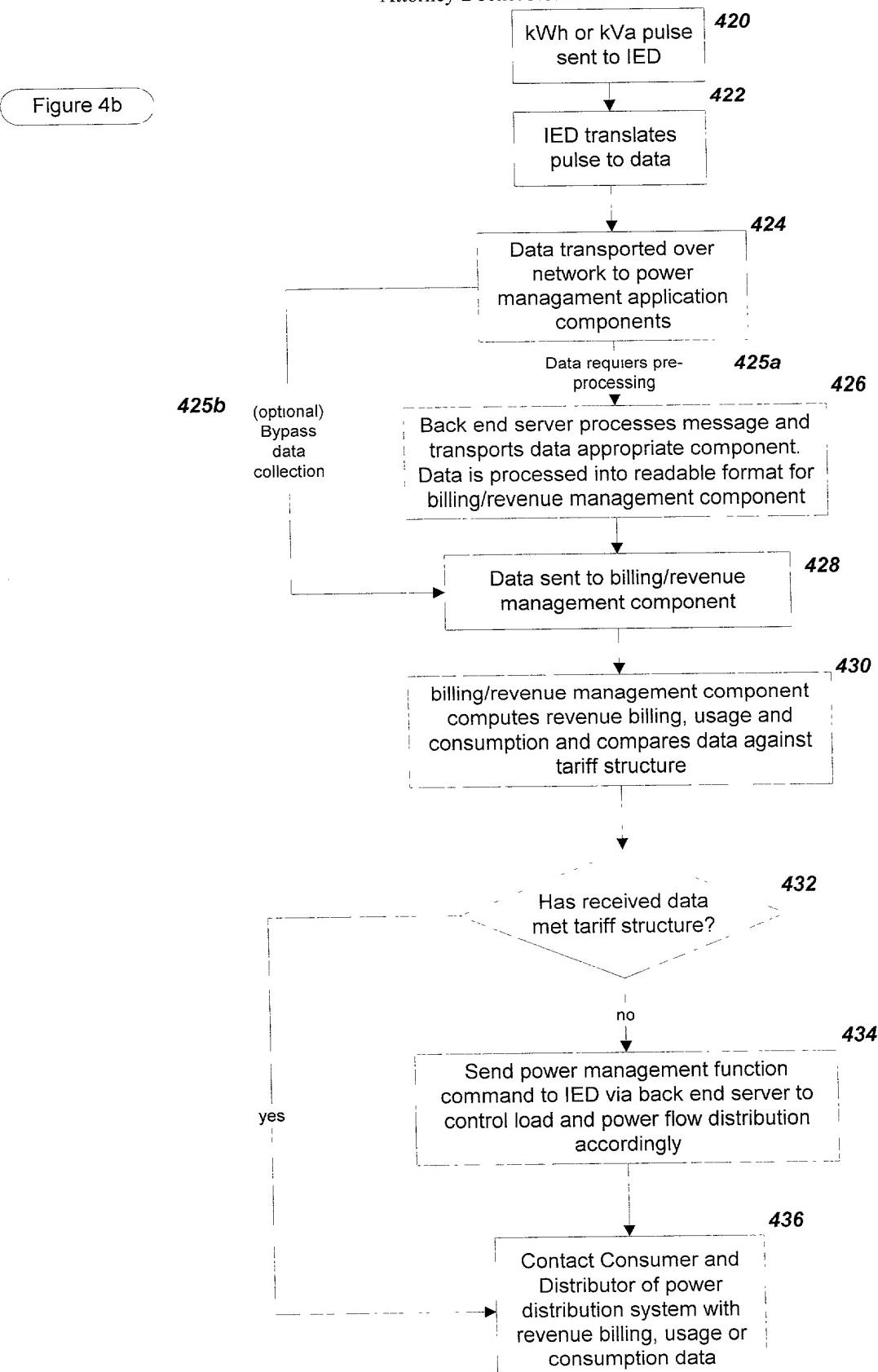


Figure 4a

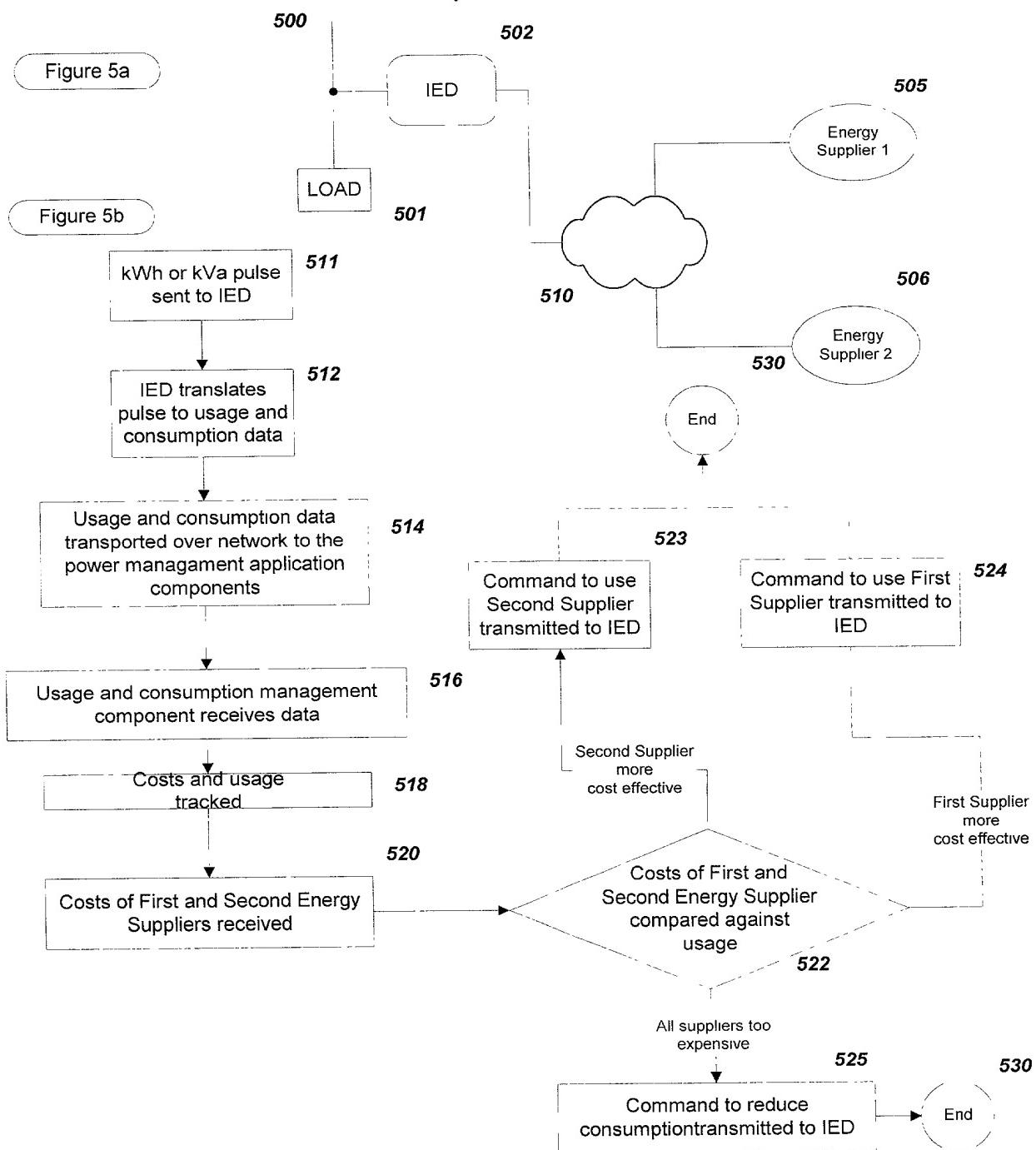




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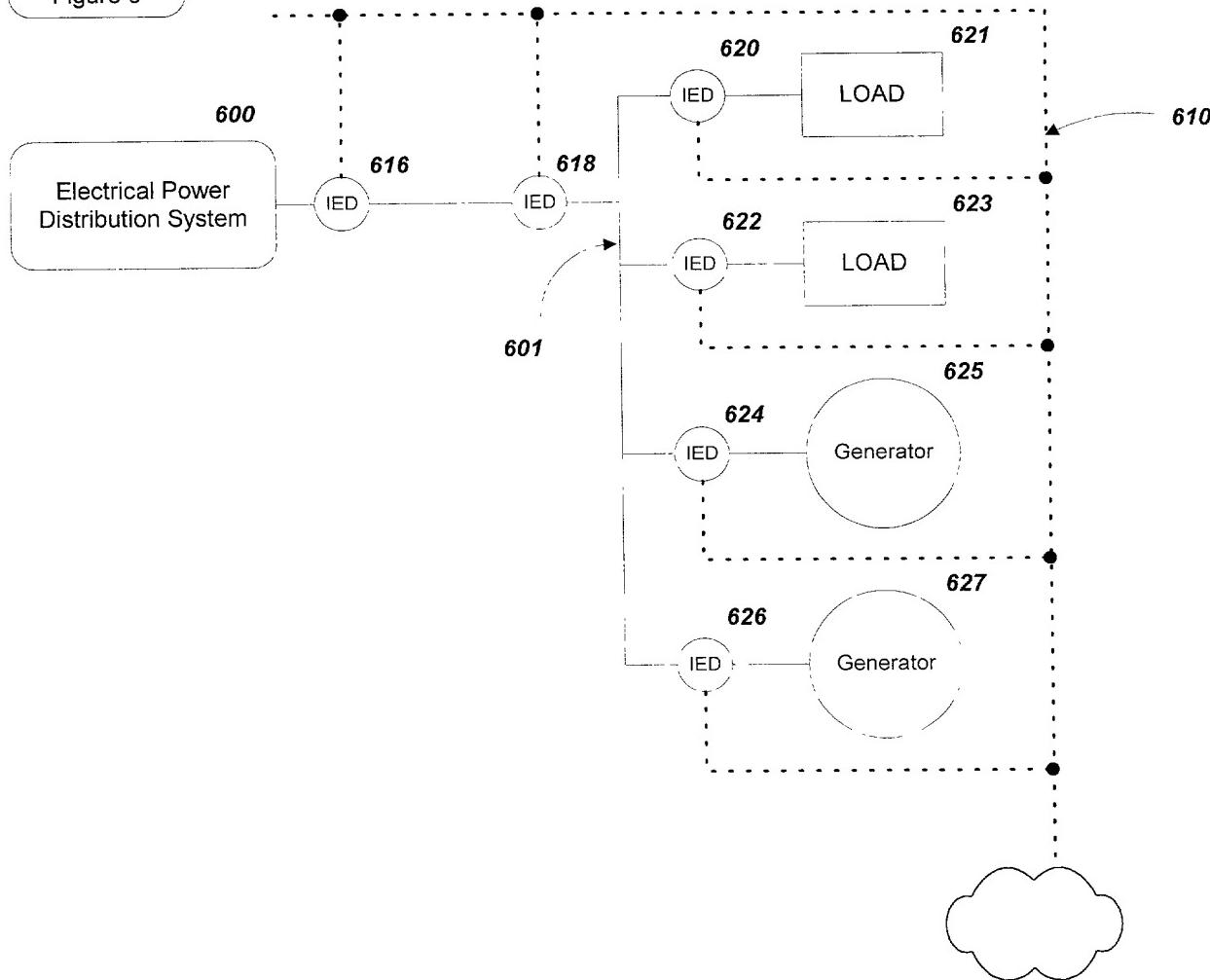


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Figure 6



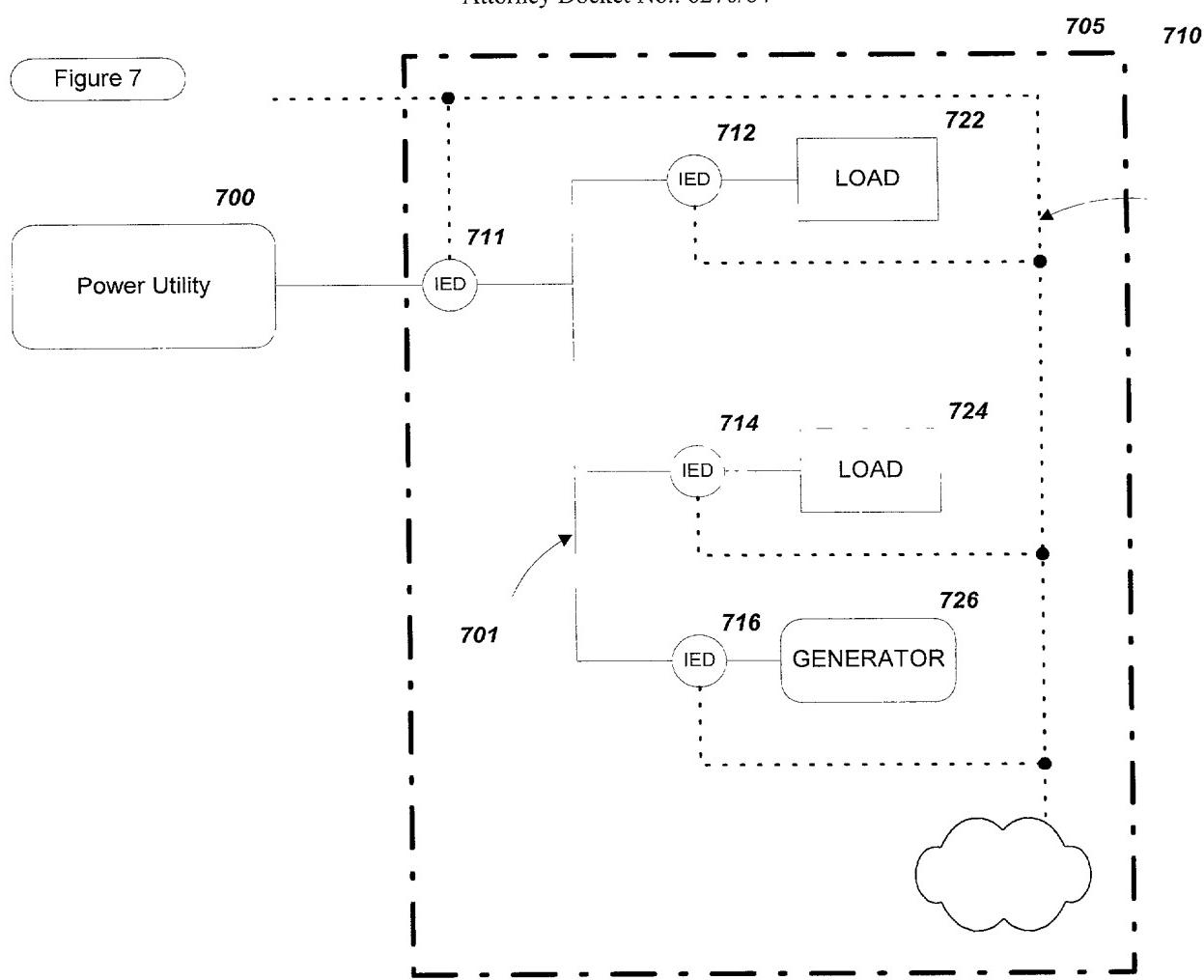
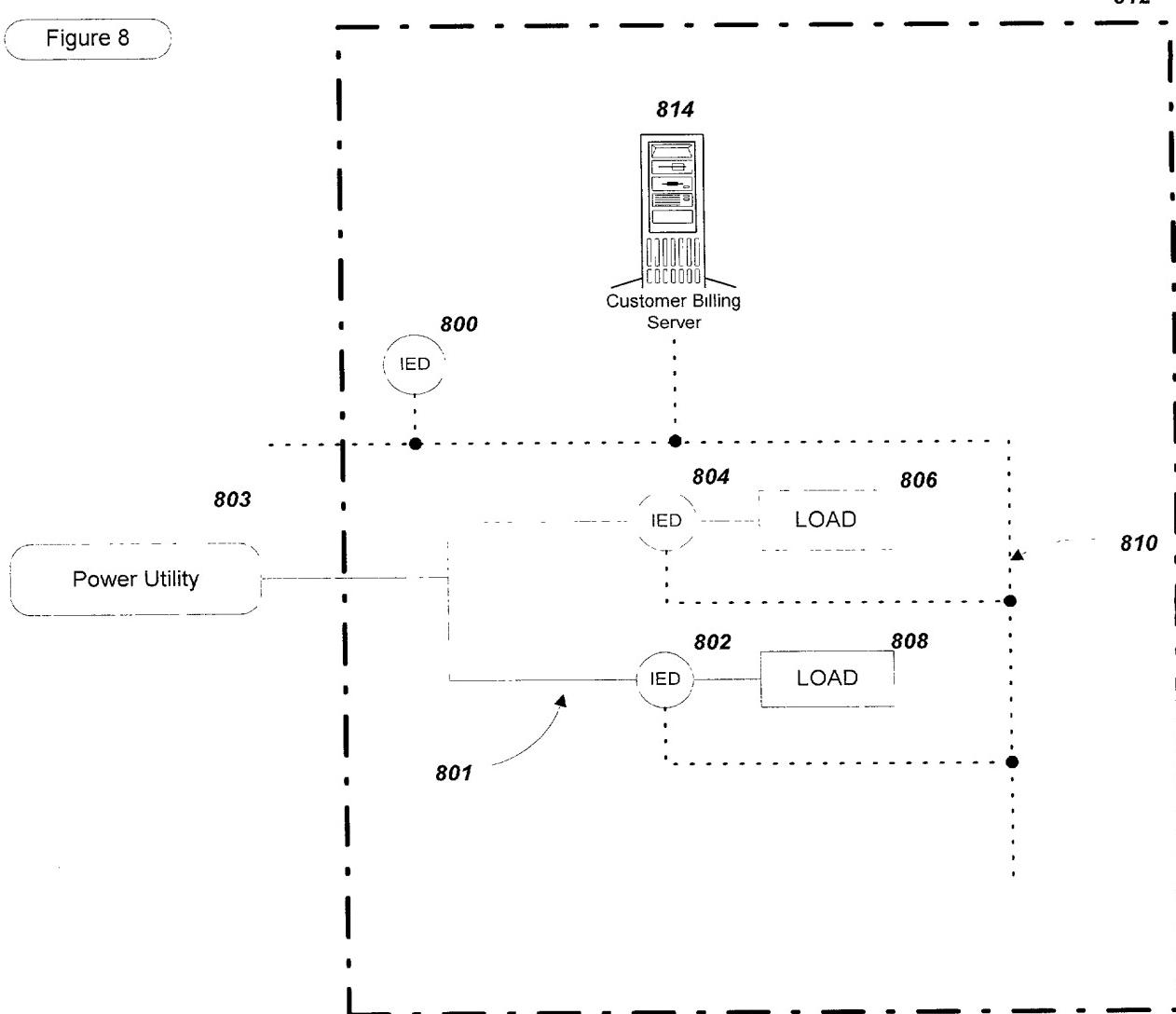


Figure 8



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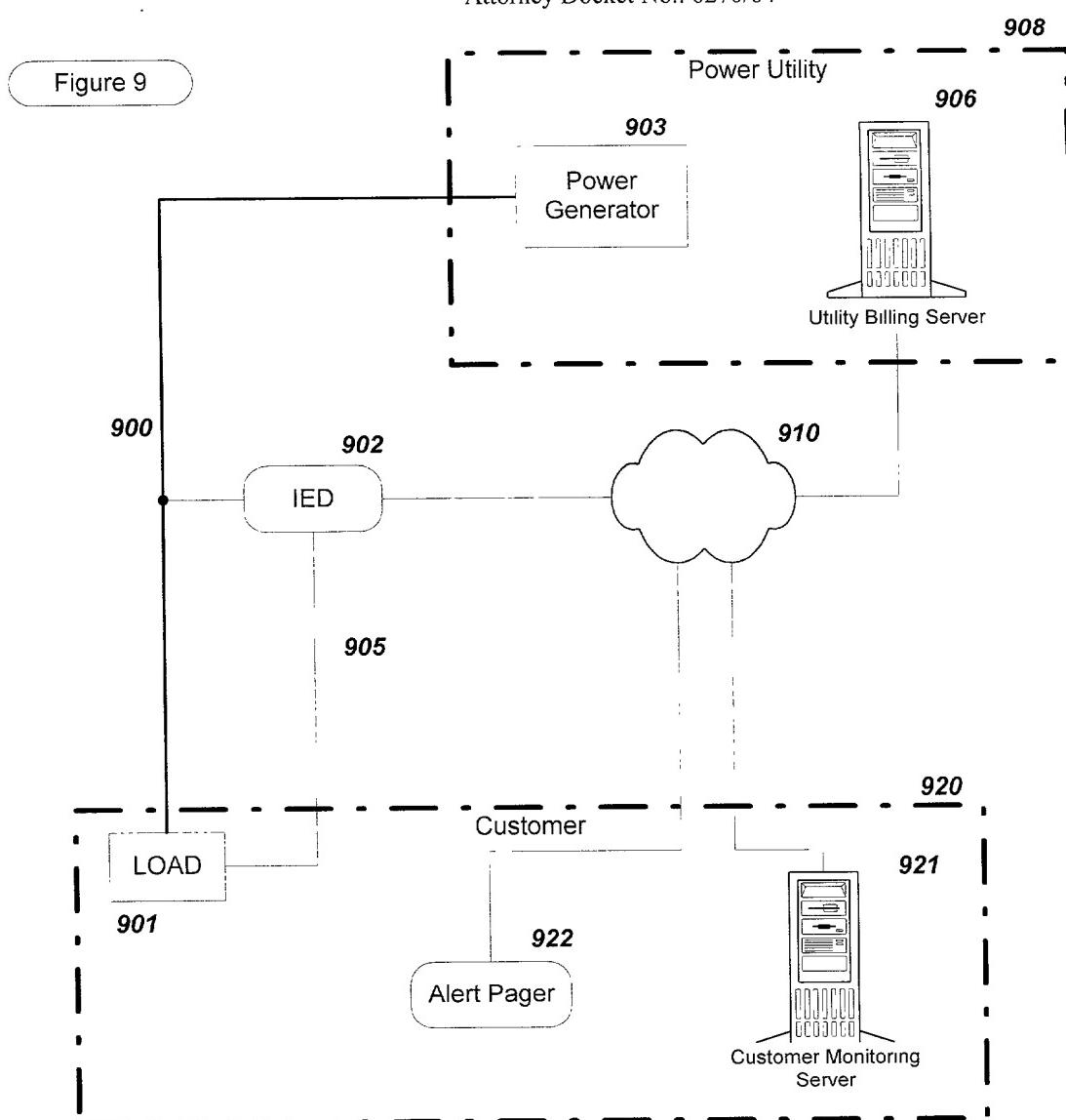
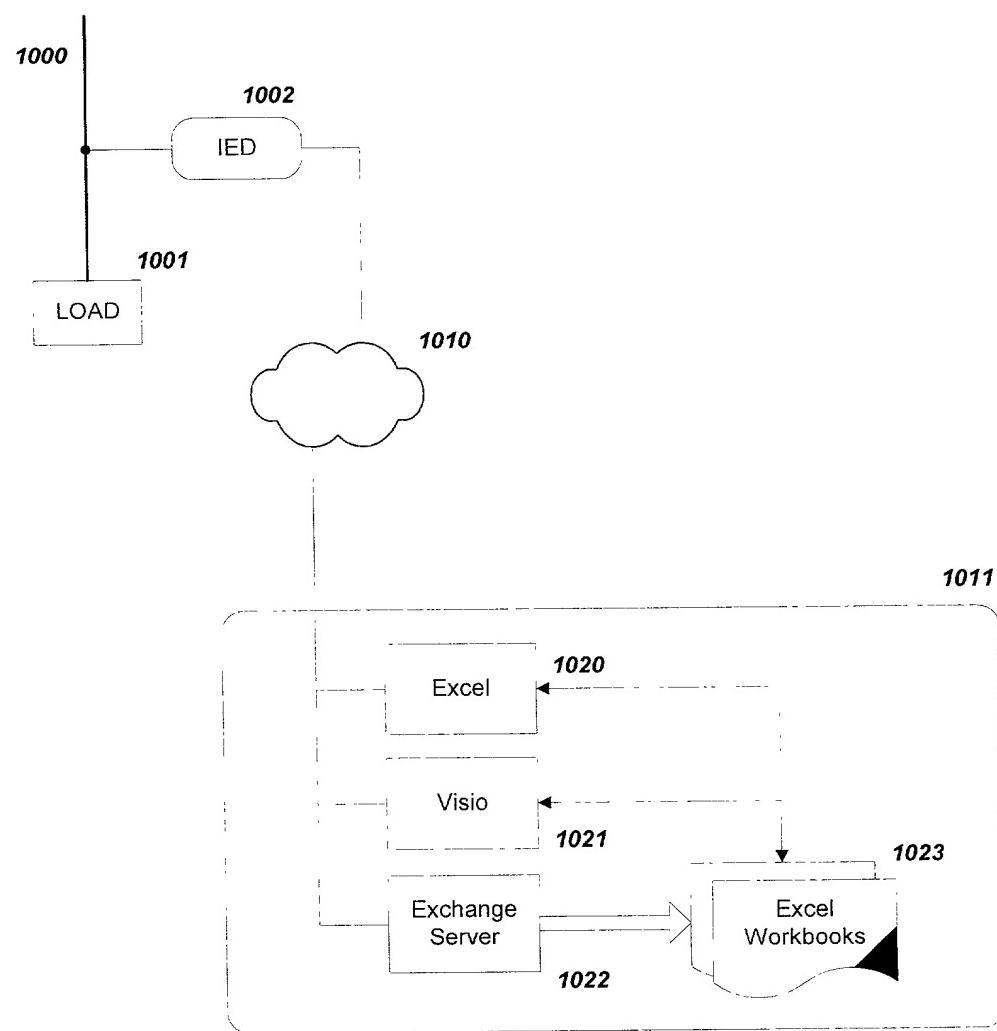


Figure 10



Site1.a8500	
LABEL	VALUE
Ia	197.97
Ib	207.52
Ic	237.82
Vin c	479.28
Vin b	371.46
Vll ca	580.46
Vll ab	589.1
Vll bc	586.28
Vll avg	585.28
Vin avg	357.23
I avg	214.44
PF sign tot	-94
Freq	59
GL1 LocalTime	08:32.9

<b>Change Update Rate</b>
Type in the number of seconds you would like between page updates and hit <RETURN>
10

Some features to implement:

**Auto-detection:** Excel could automatically add a worksheet (a "tab" below) when it detects a new device on the network

**Complex Aggregation:** Because it is Excel, you can do anything you want, easily

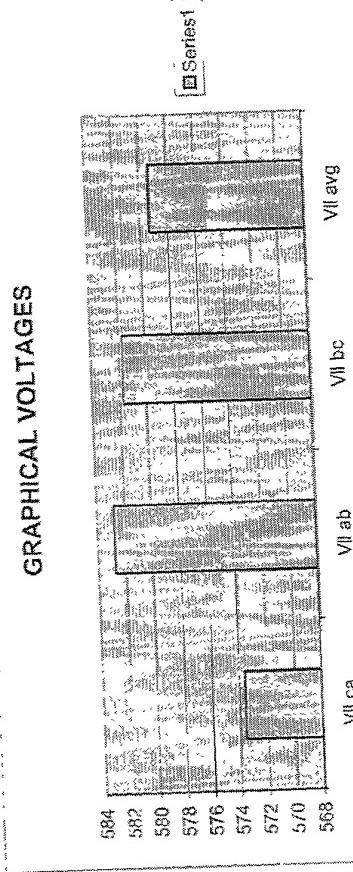
**Logging:** You could write simple scripts to log the values on the left to an Access DE

**Animation:** Charts, warnings, etc

**Onboard logs** could be displayed easily

**Default diagrams:** we just need to create an excel template for each device

### GRAPHICAL VOLTAGES



Sum of Currents: 643.31  
Formula-based Setpoint: OVER 550 Volts

Figure 11

Figure 12

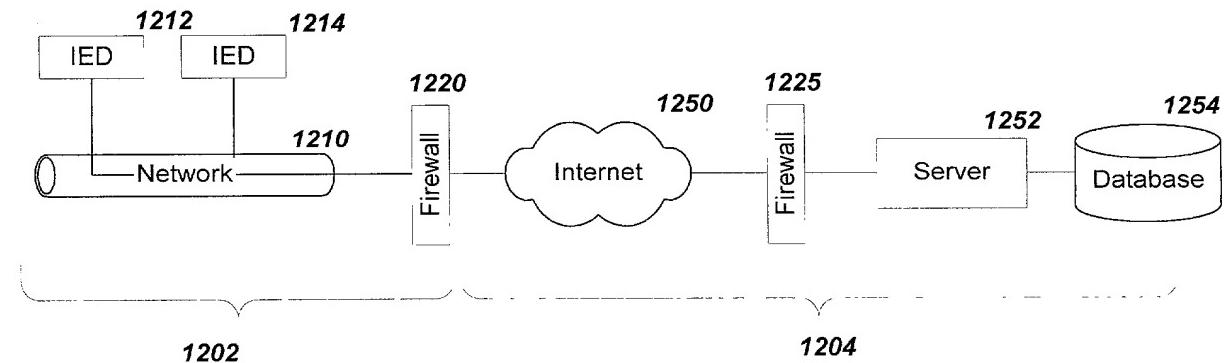


Figure 13

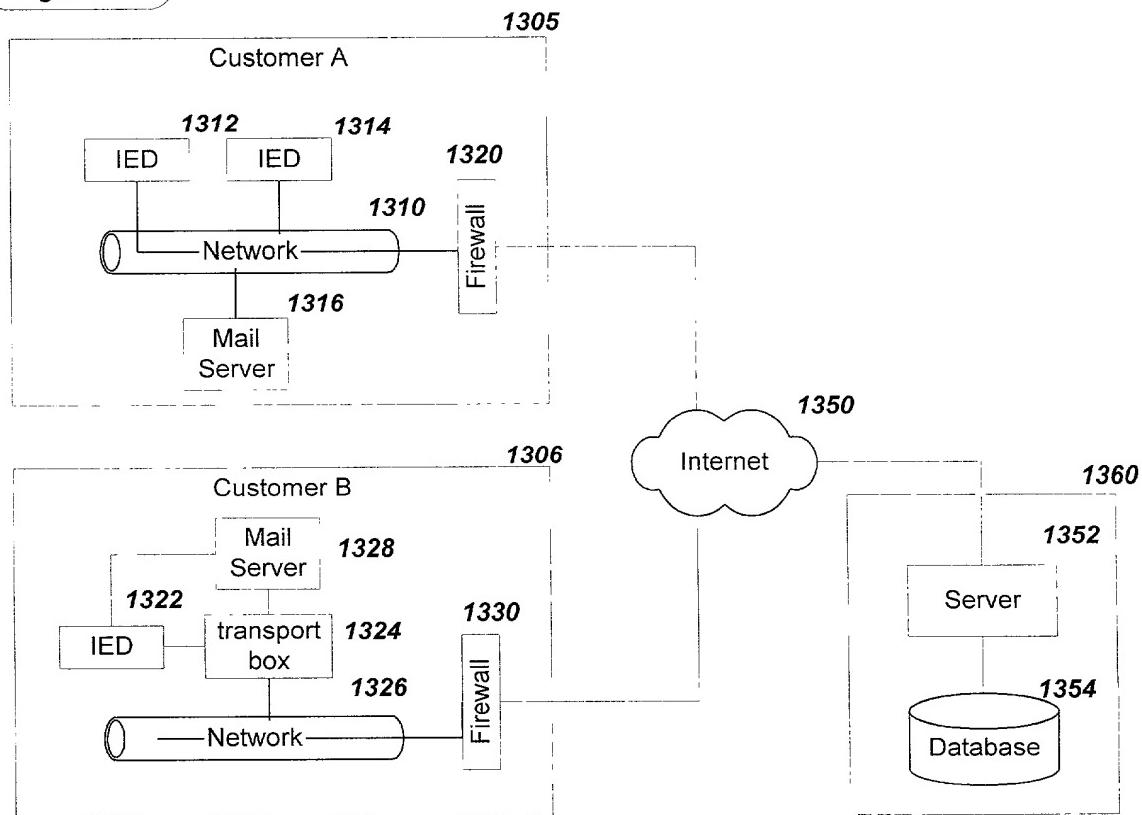
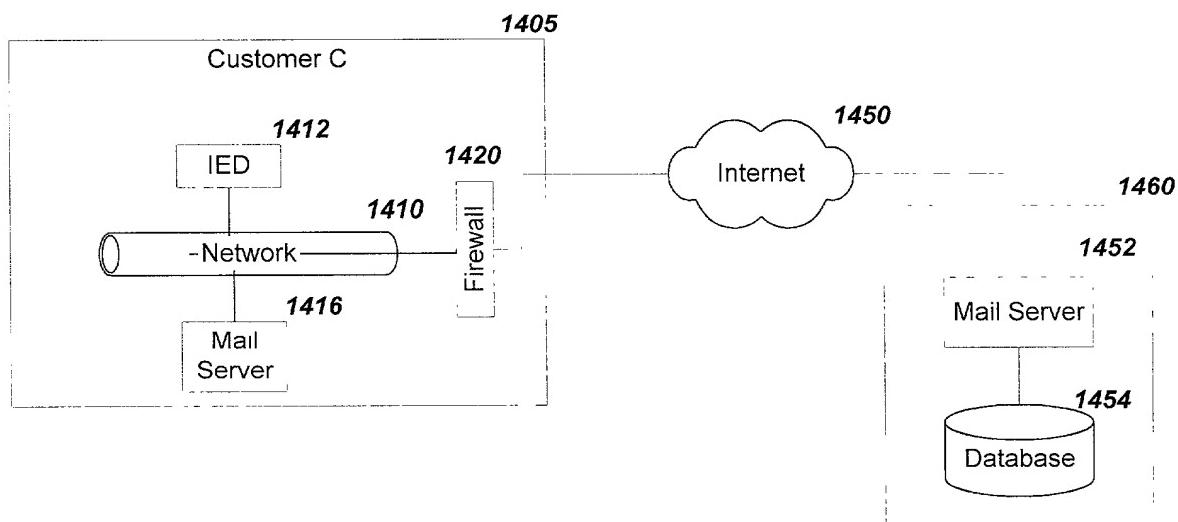


Figure 14



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Figure 15a

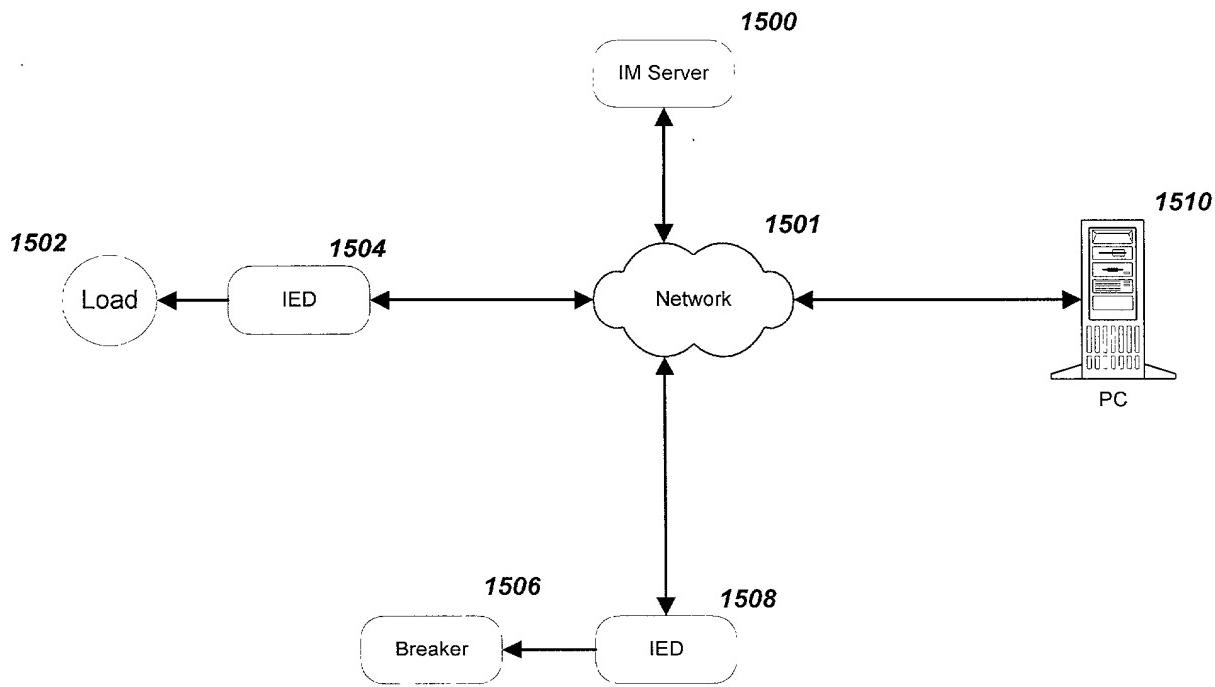


Figure 15b

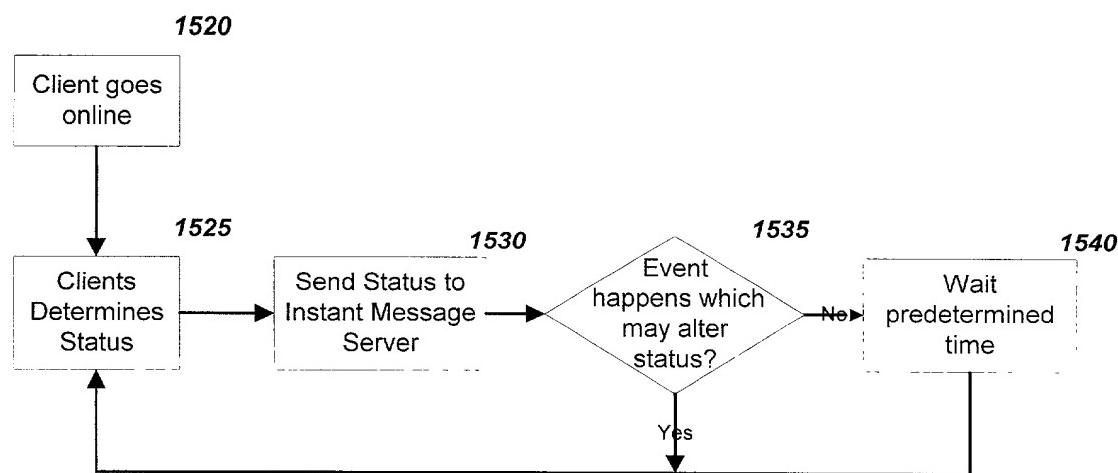
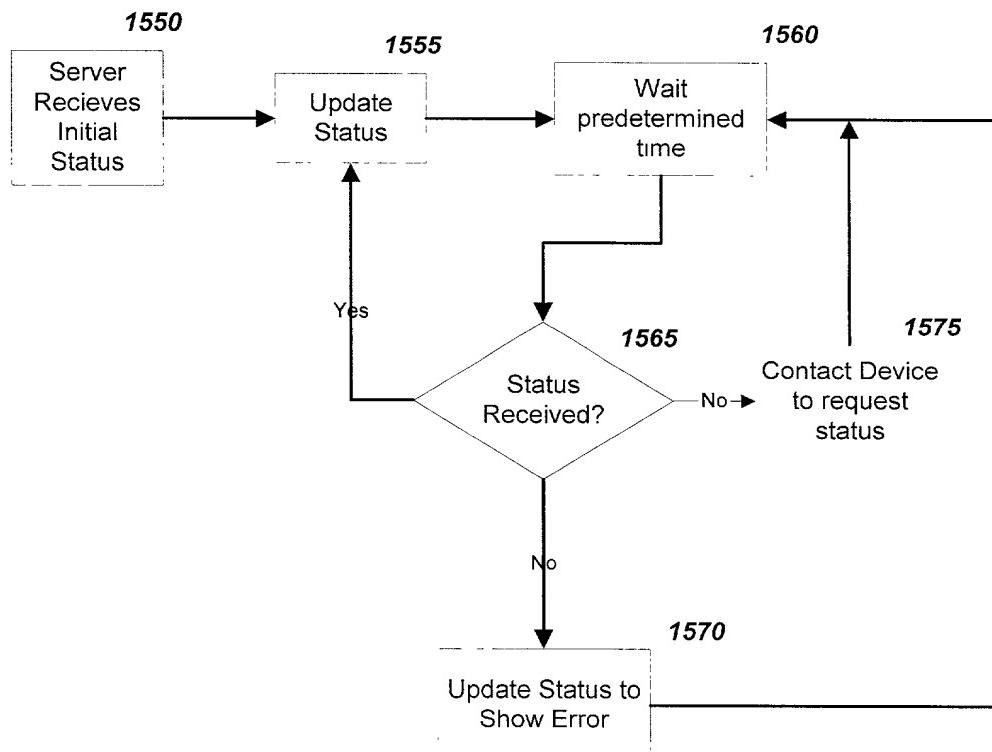


Figure 15c

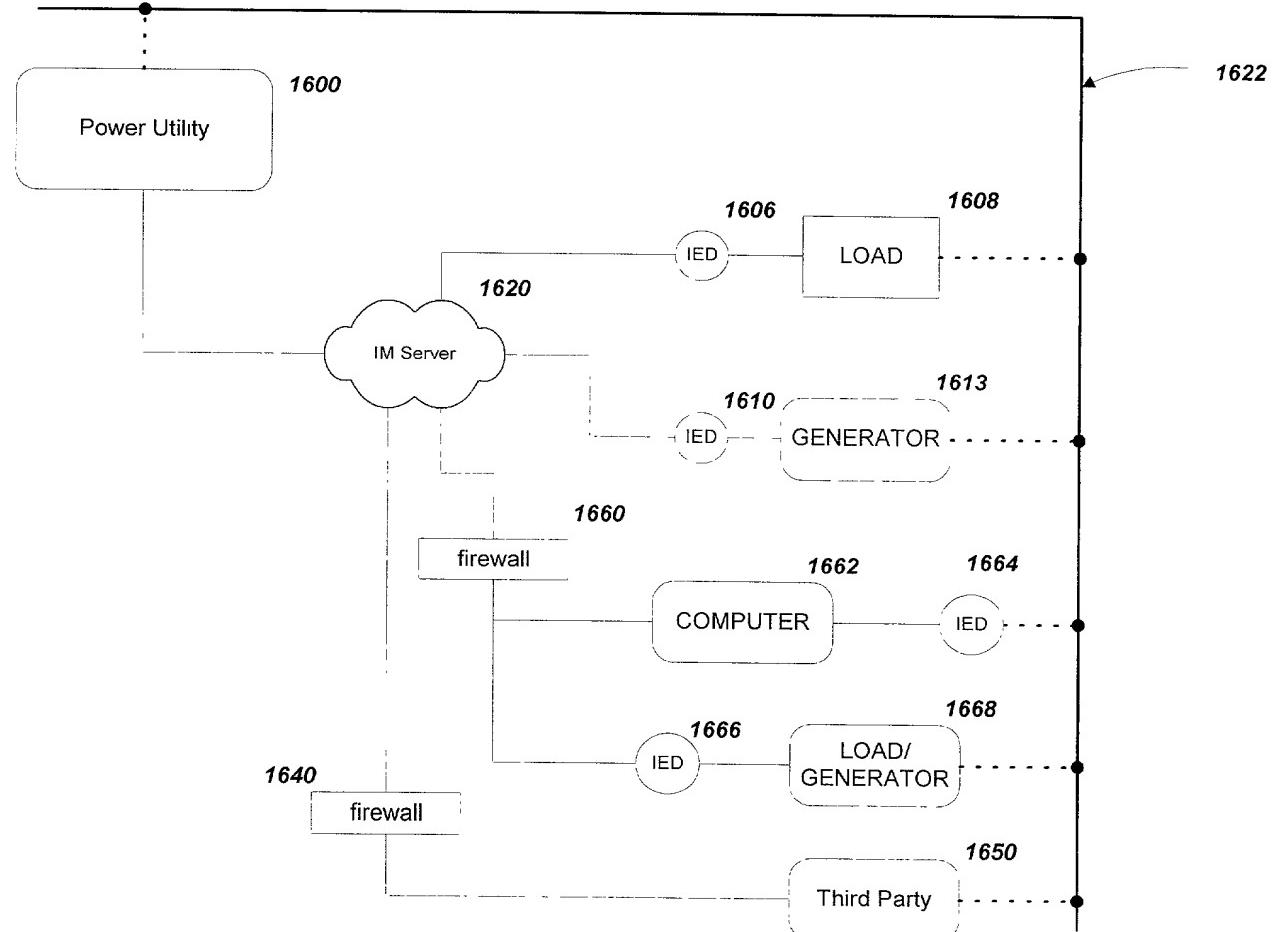


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Figure 16



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Figure 17

